

**Pyrophosphate Protects the mAChR from
Inactivation by the LMW Inhibitor
(n = 3)**

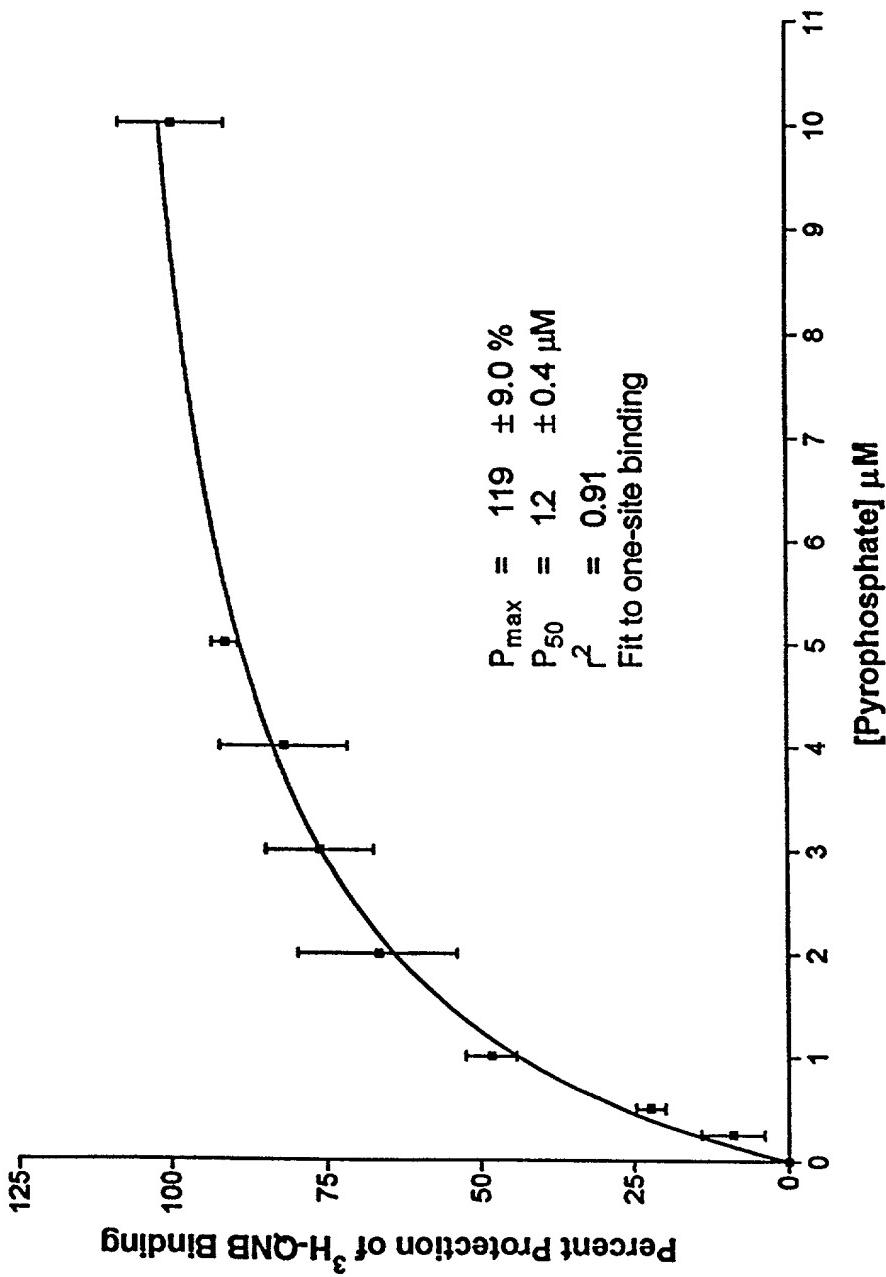


FIGURE 1

FIGURE 2

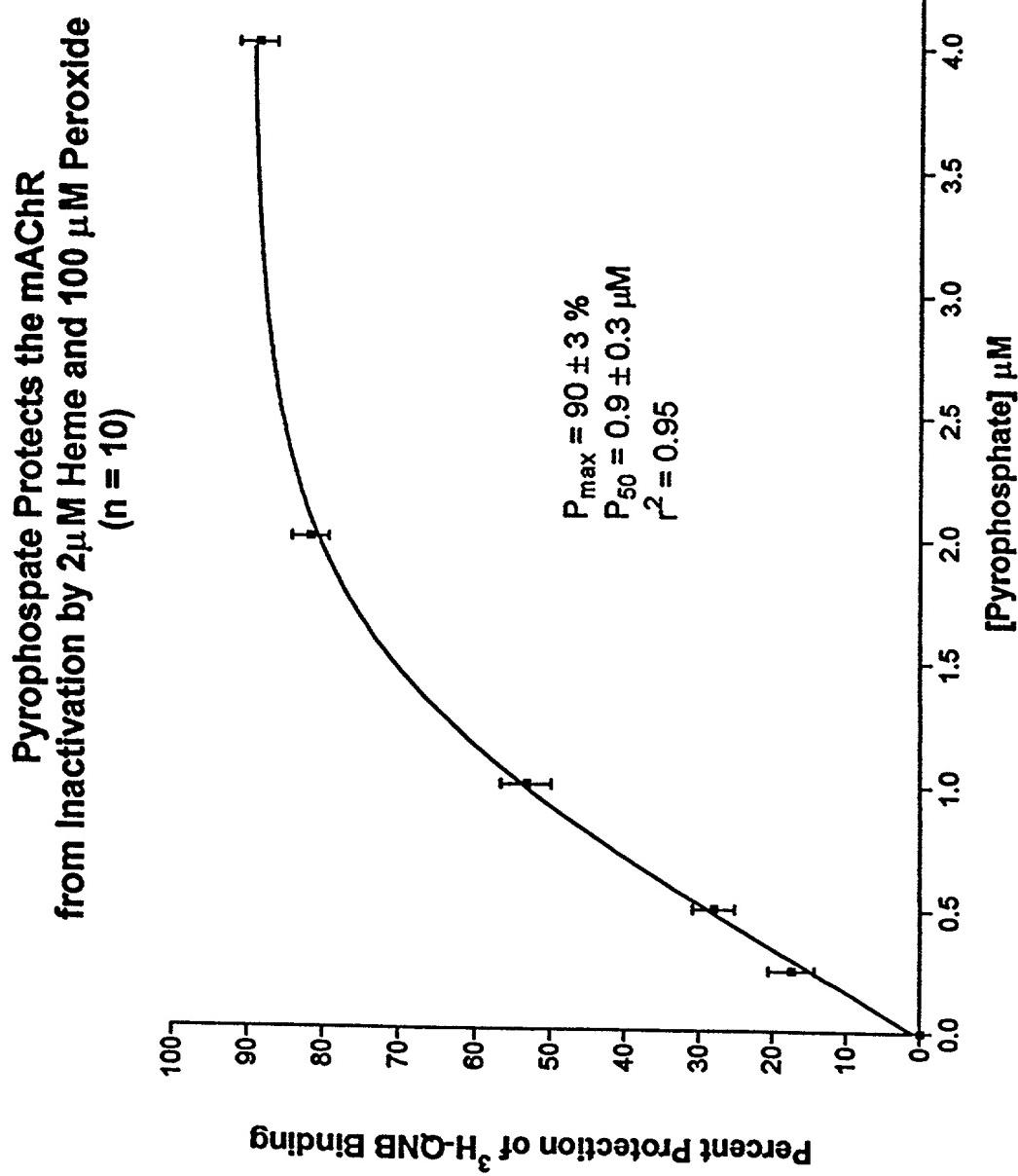
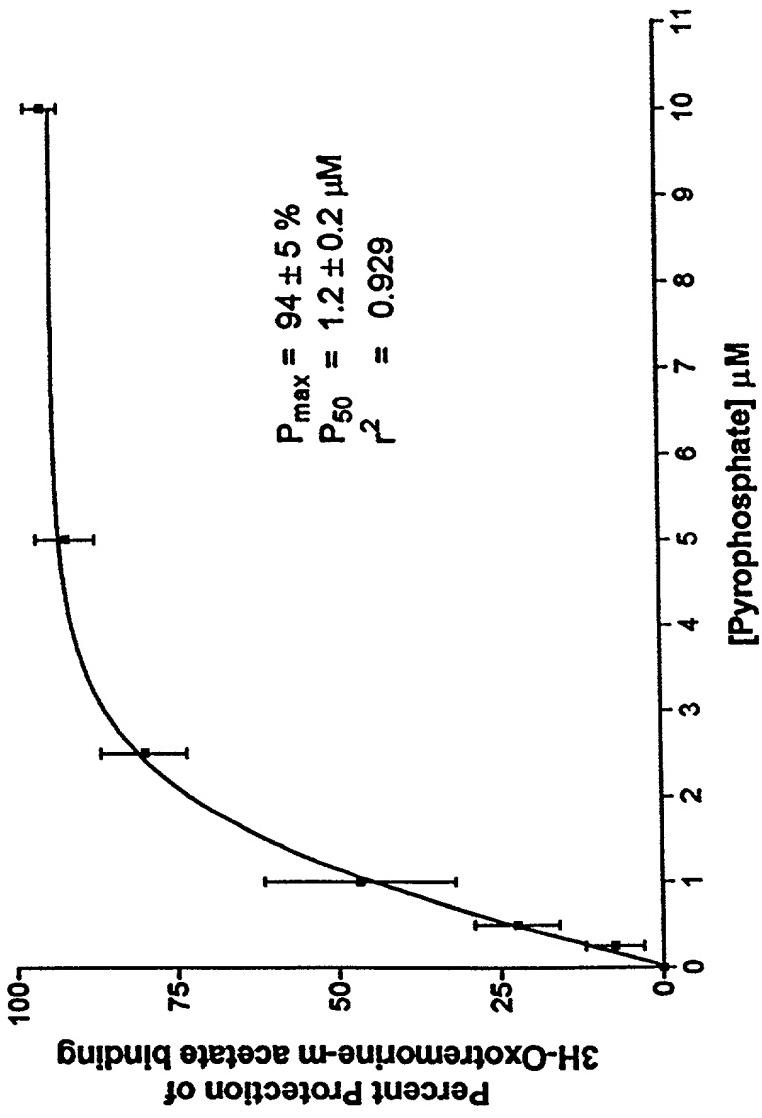


FIGURE 3

**Pyrophosphate protects the mAChR from
inactivation by the LMW Inhibitor in a
2-step agonist binding assay.
(n = 4)**



**imidodiphosphate protects the mAChR
from inactivation by the LMW Inhibitor
(n = 5)**

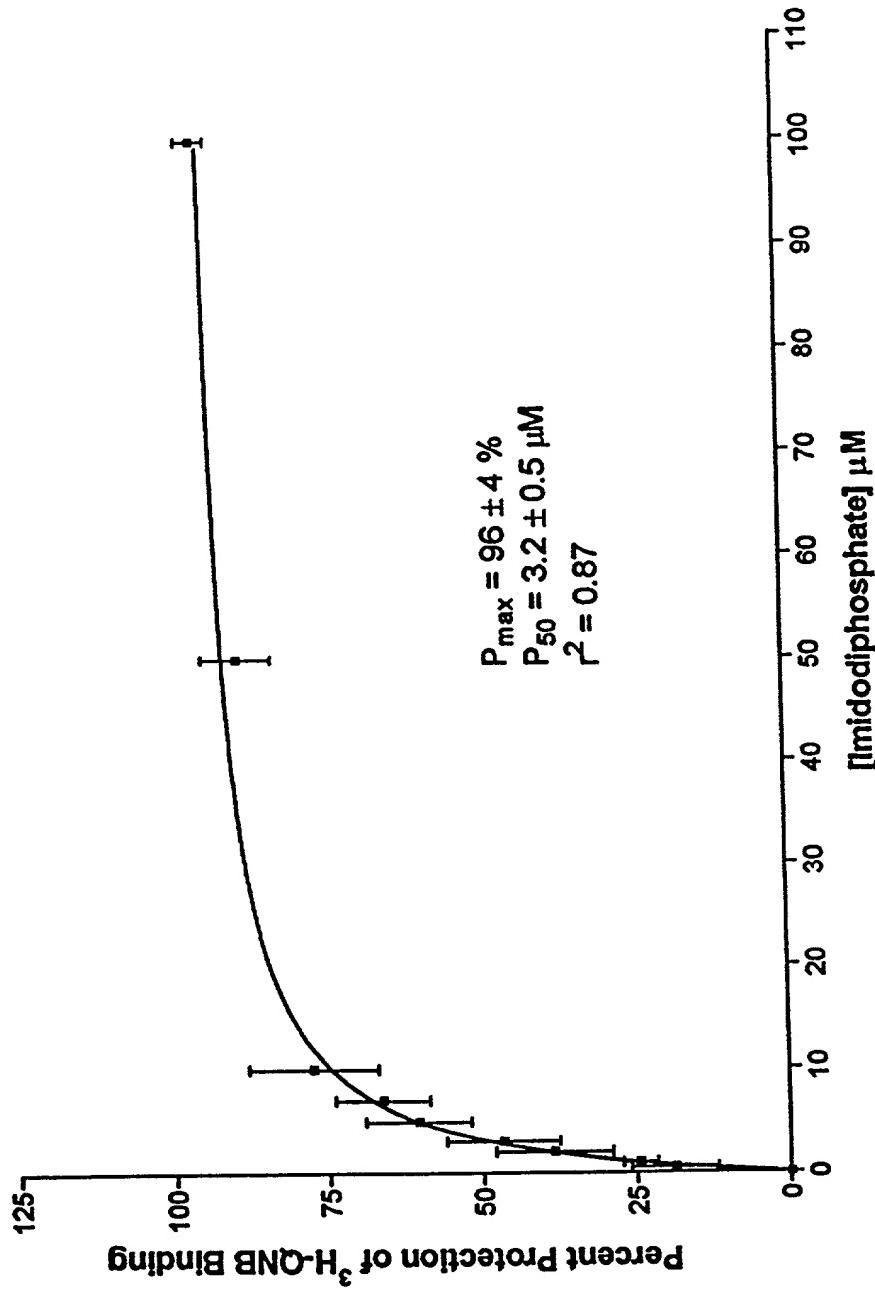
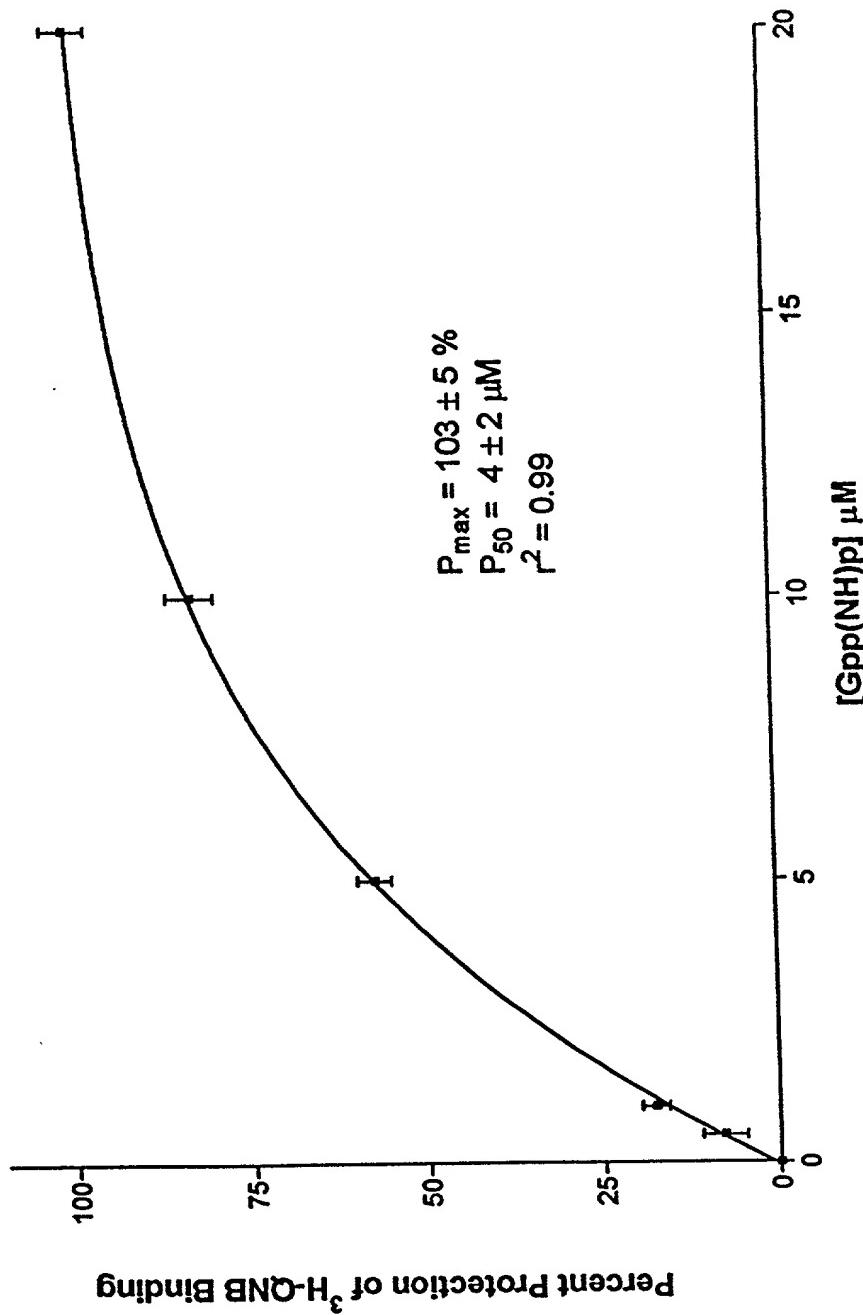


FIGURE 4

FIGURE 5

Guanylyliddodiphosphate Protects the mAChR
from Inactivation by the LMW Inhibitor
(n = 4)



**Adenylylimidodiphosphate protects the mACHR from
inactivation by the LMW Inhibitor
(n = 3)**

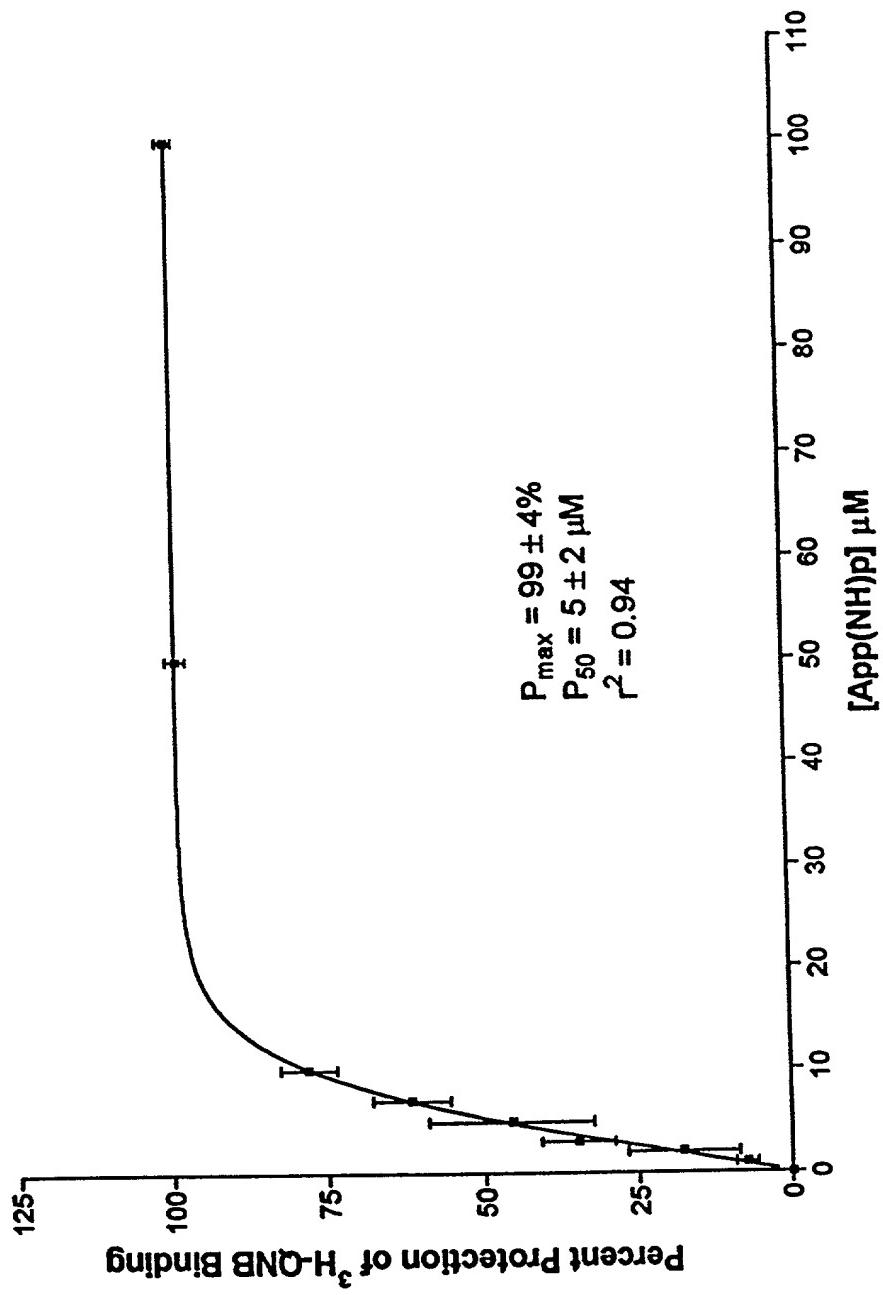
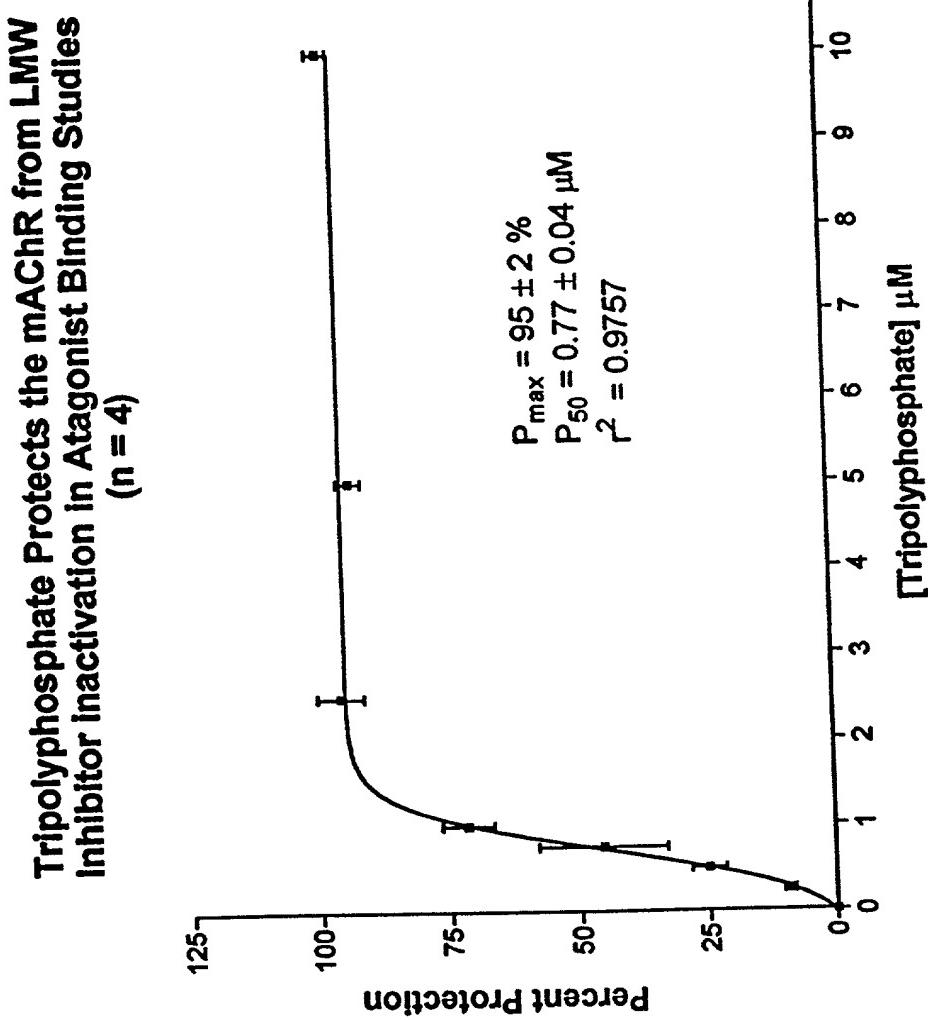


FIGURE 6

FIGURE 7



Bilirubin Protects the mAChR from
Inactivation by the LMW Inhibitor
(n = 4)

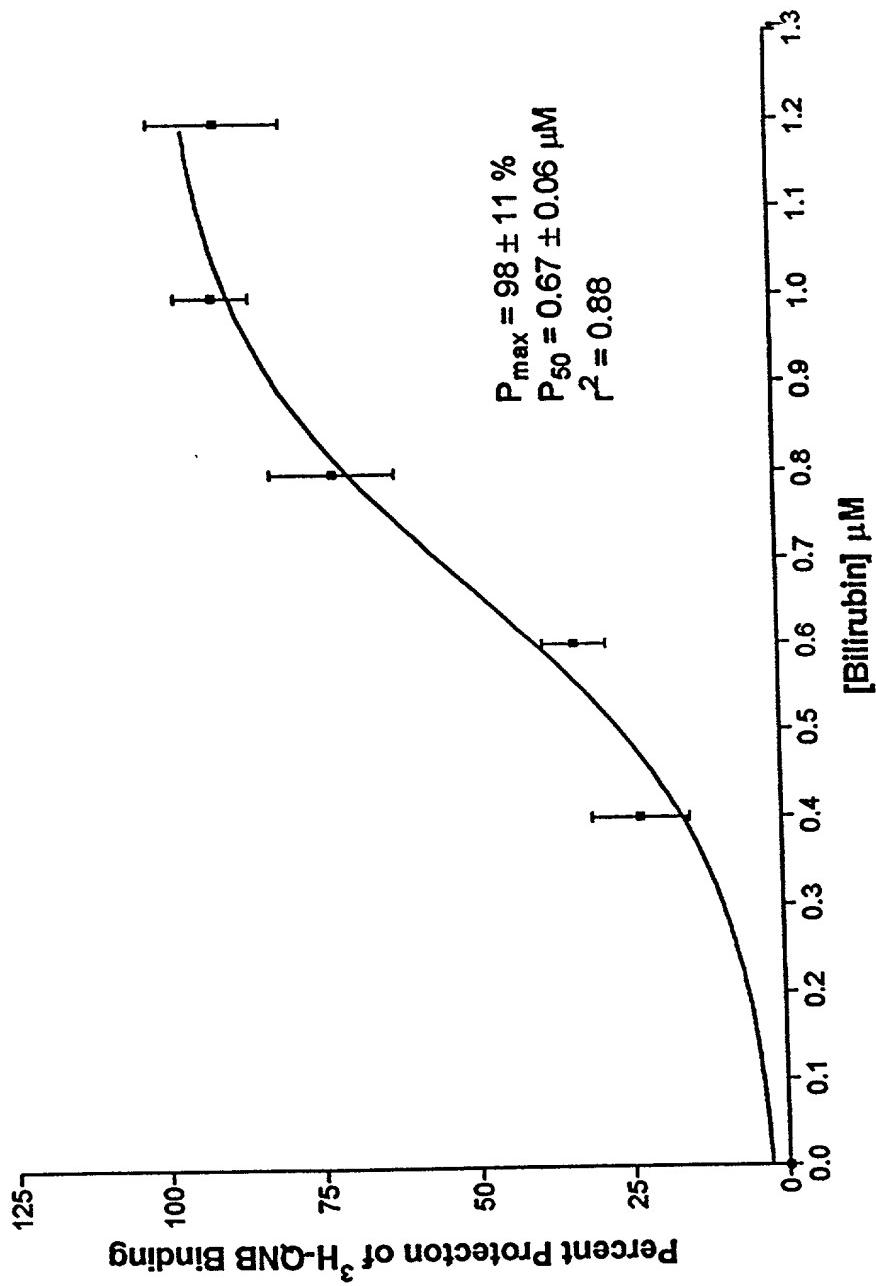


FIGURE 8

Bilirubin Protects the mAChR from
Inactivation by 2.0 μ M Heme and 100 μ M Peroxide
(n = 4)

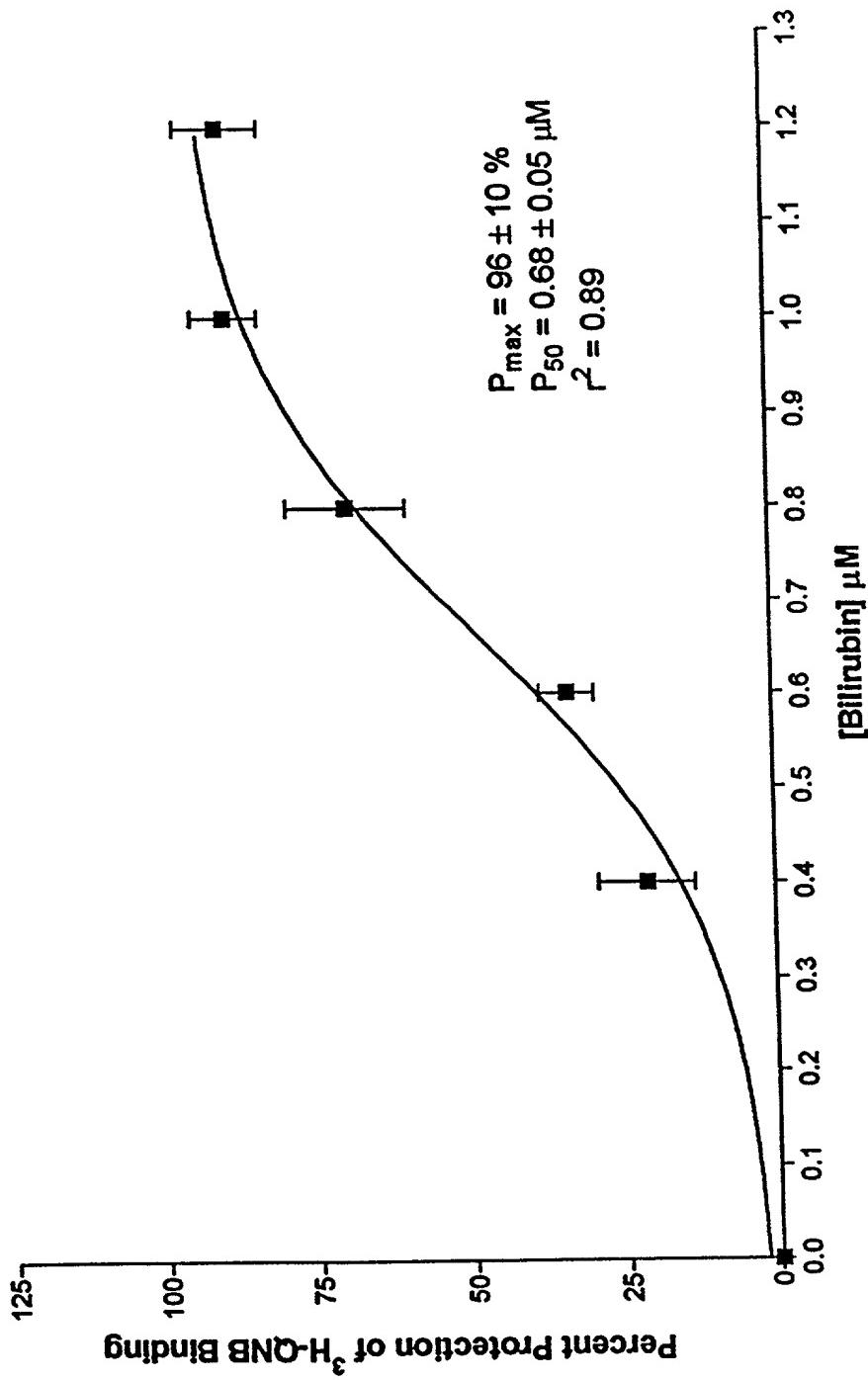


FIGURE 9

FIGURE 10

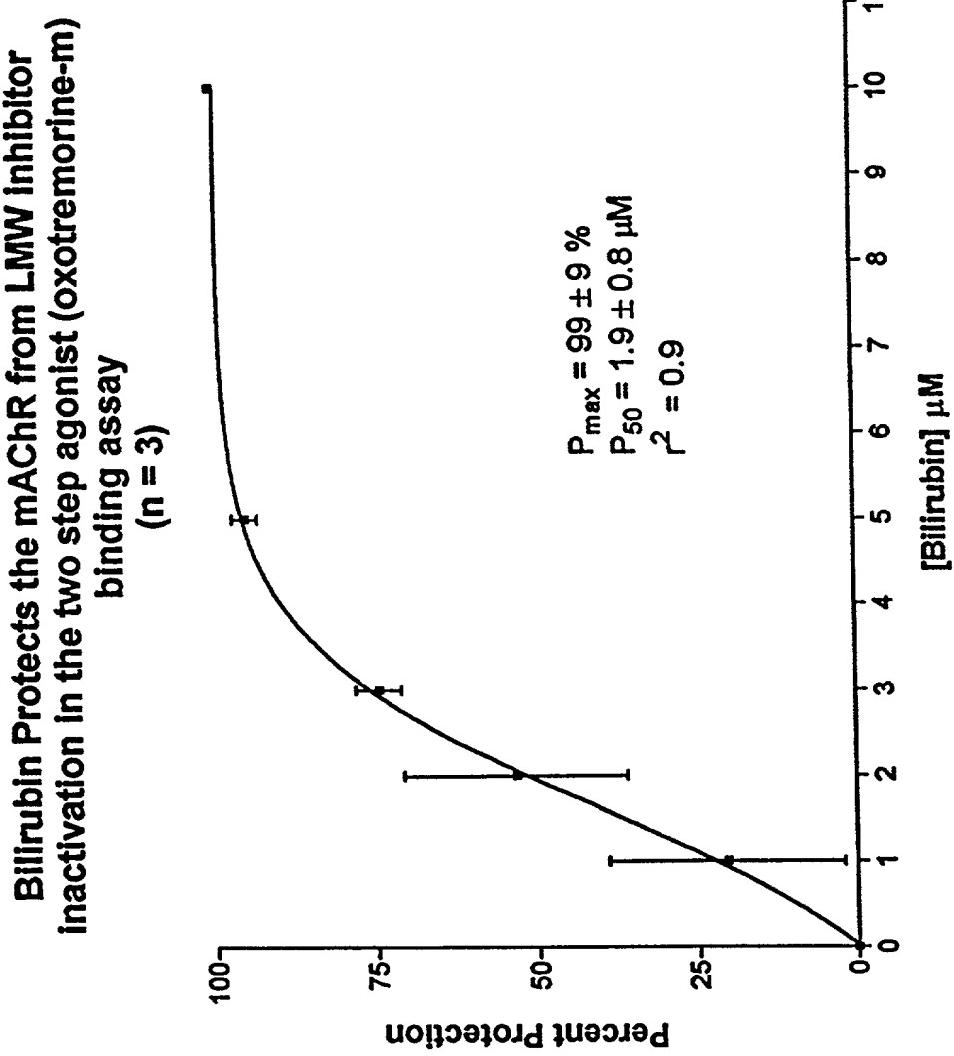
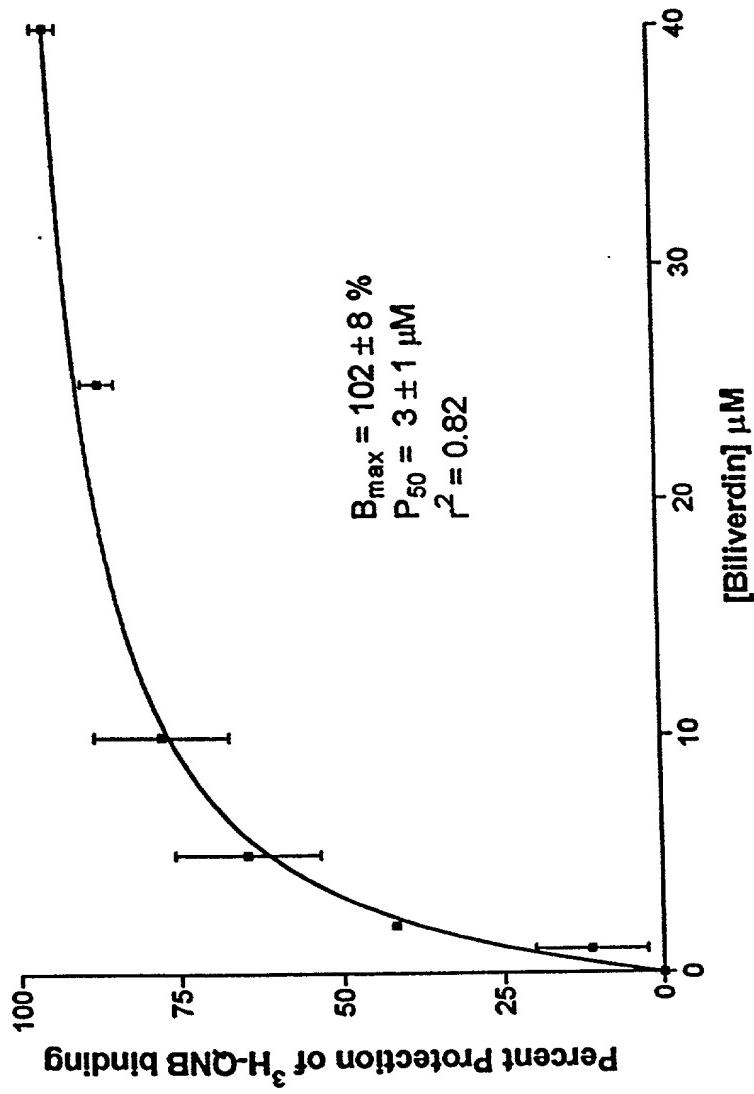
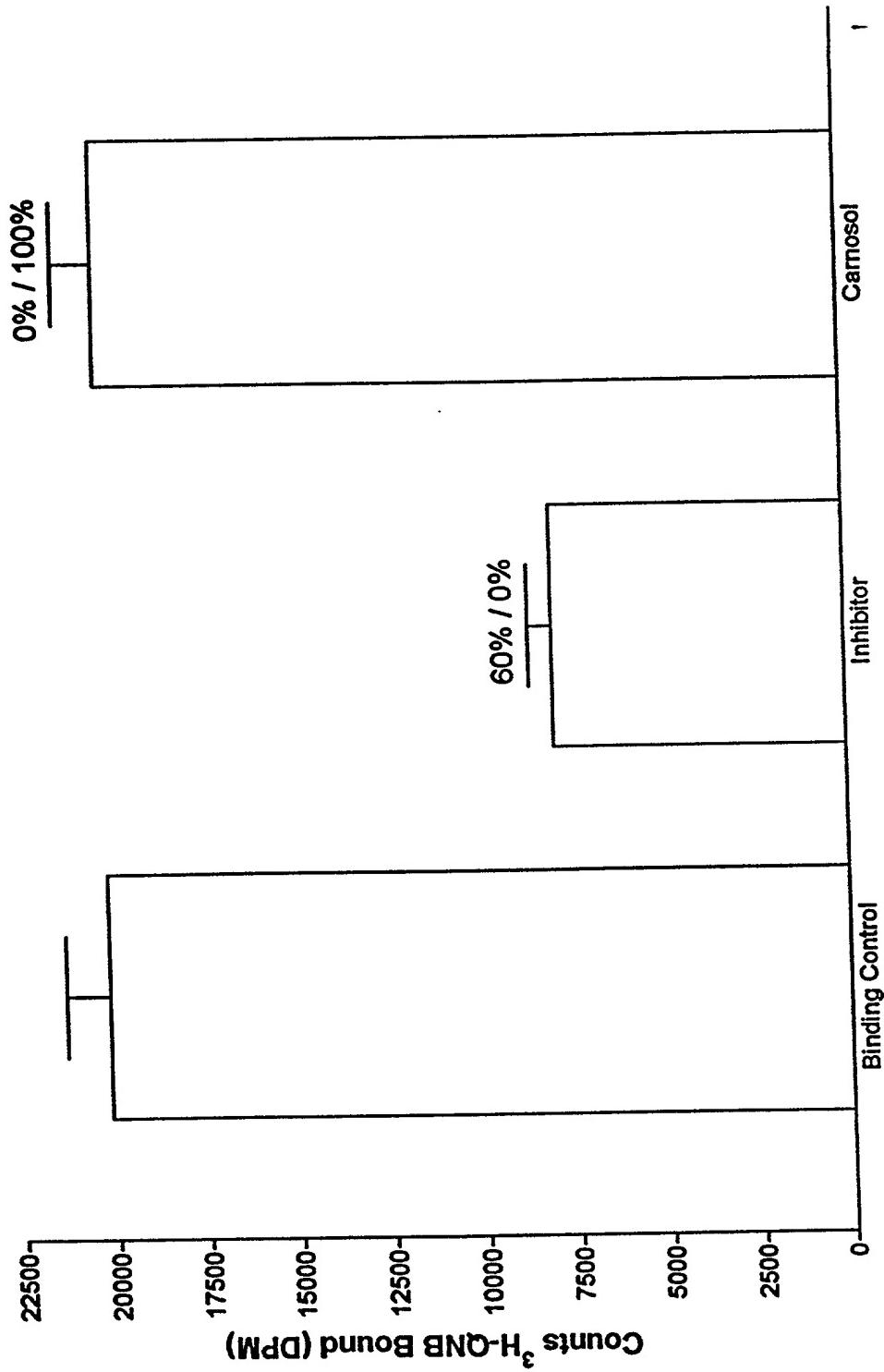


FIGURE 11

Biliverdin Protects the mAChR
from Inactivation by the LMW Inhibitor
(n = 7)



**1 μ M Carnosol completely protects the mAChR
from Inactivation by the LMW Inhibitor.**



Percentages Represent: Percent inhibition/Percent Protection

FIGURE 12

**Quercetin protects the mAChR
from Inactivation by the LMW Inhibitor
(n = 3)**

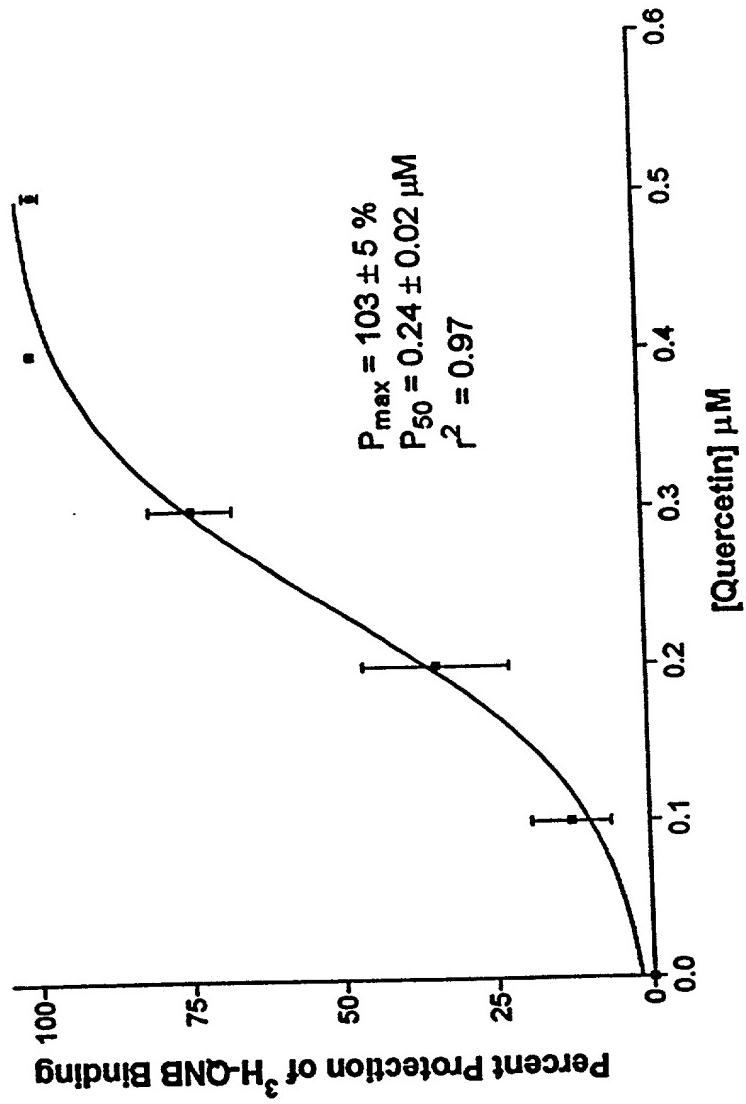


FIGURE 13

Myricetin Protects the mAChR from Inactivation by Heme and Peroxide

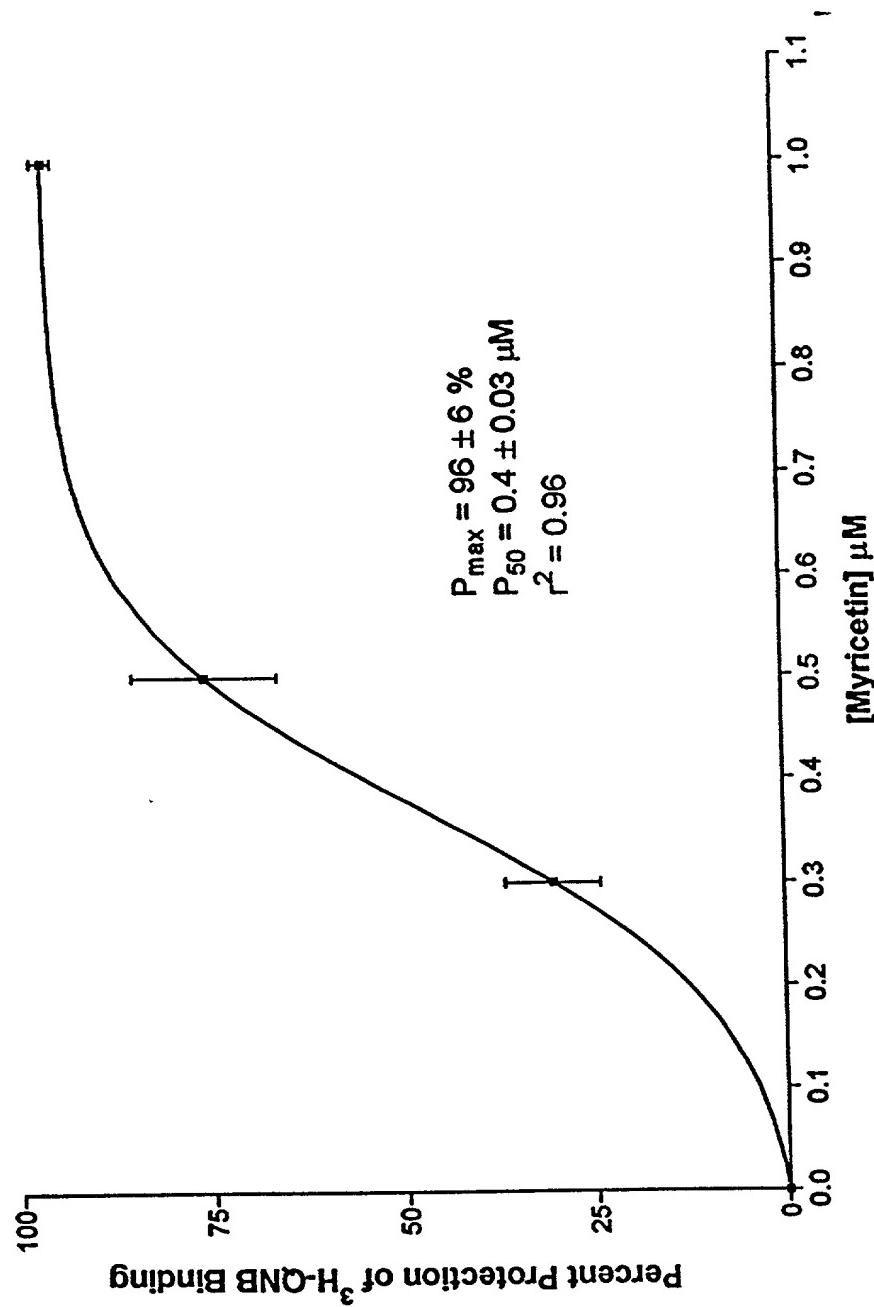


FIGURE 14

Catalase Protects the mAChR from Inactivation by the LMW Inhibitor

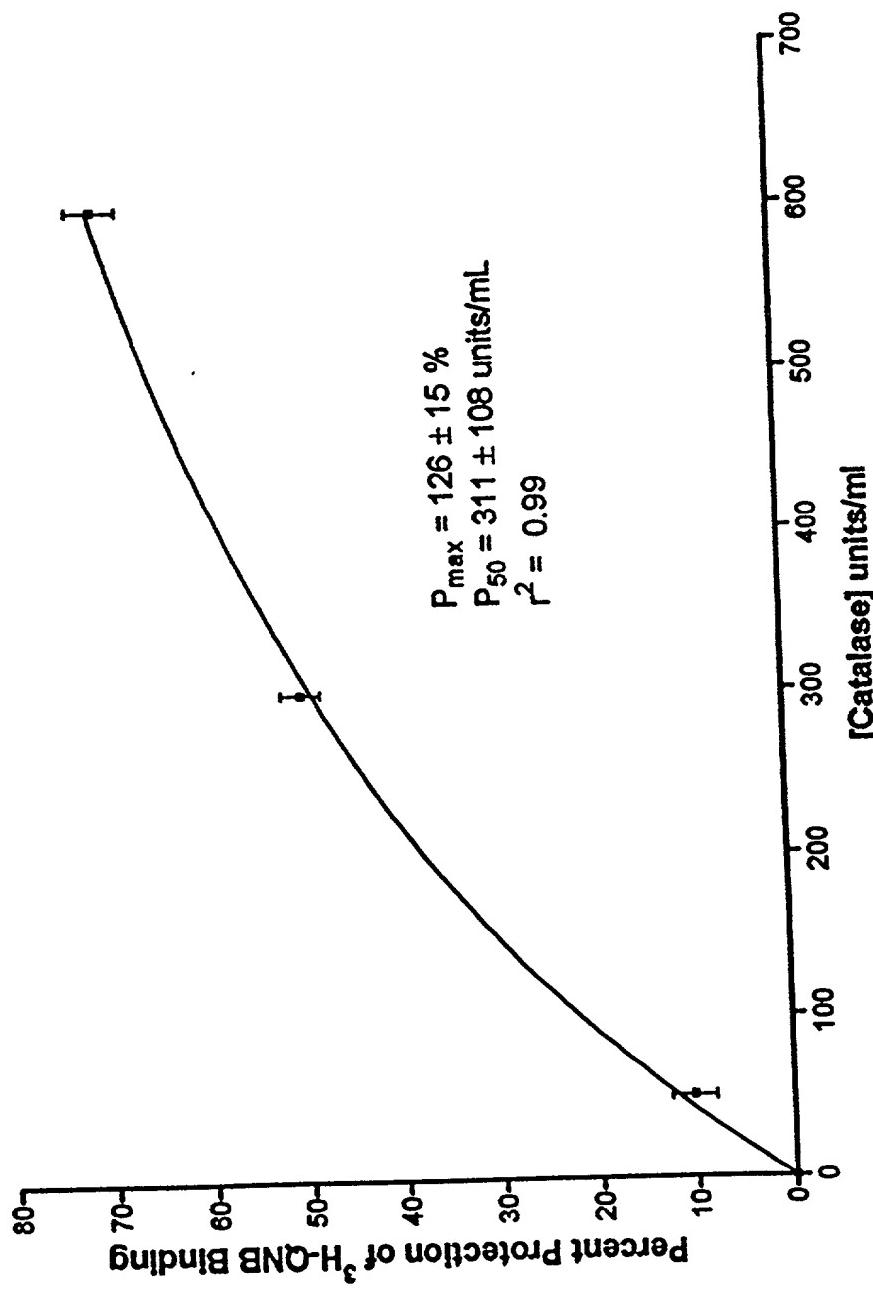


FIGURE 15

**Catalase Protects the mAChR from
Inactivation by 2.0 μ M Heme and 100 μ M Peroxide**

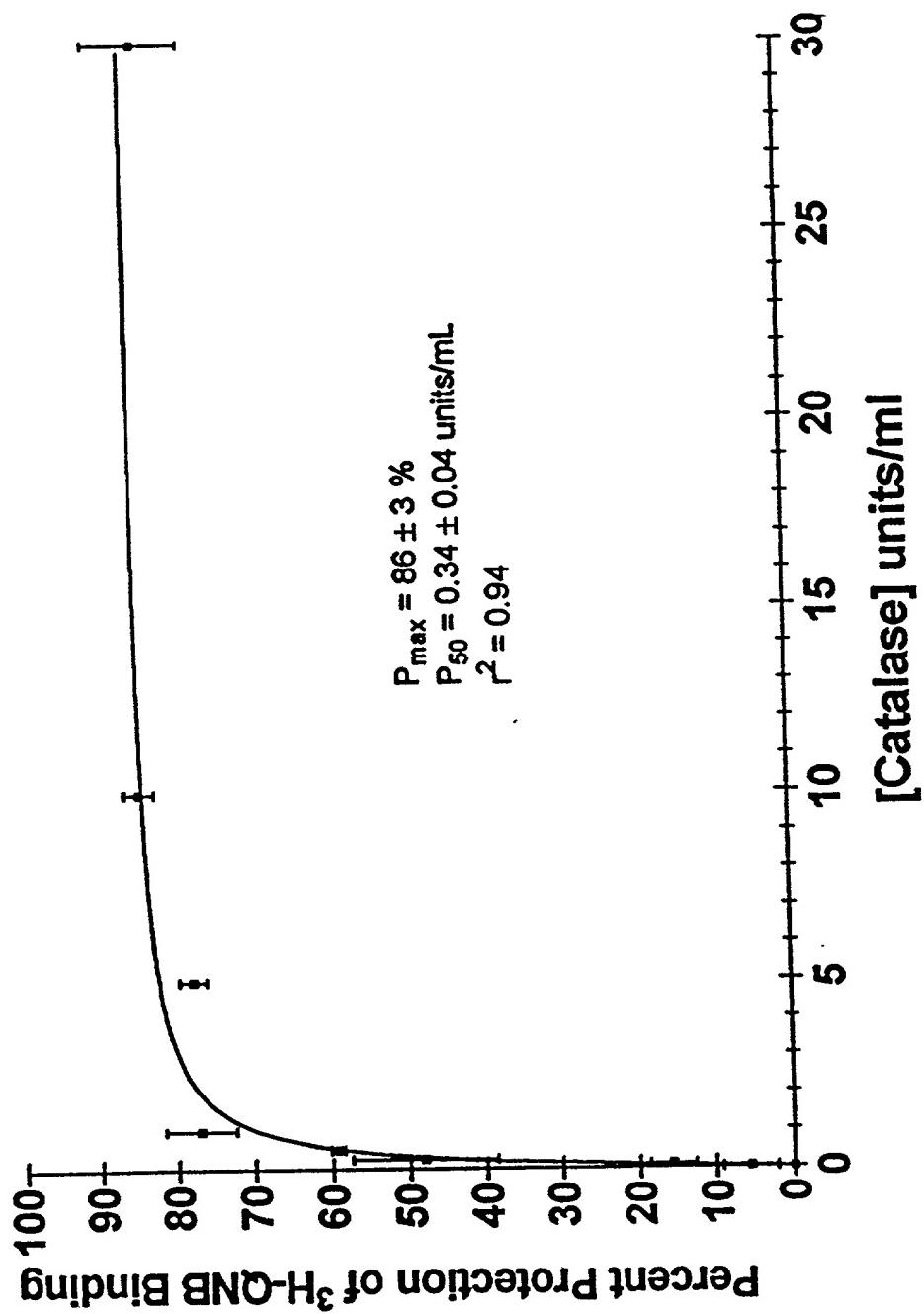
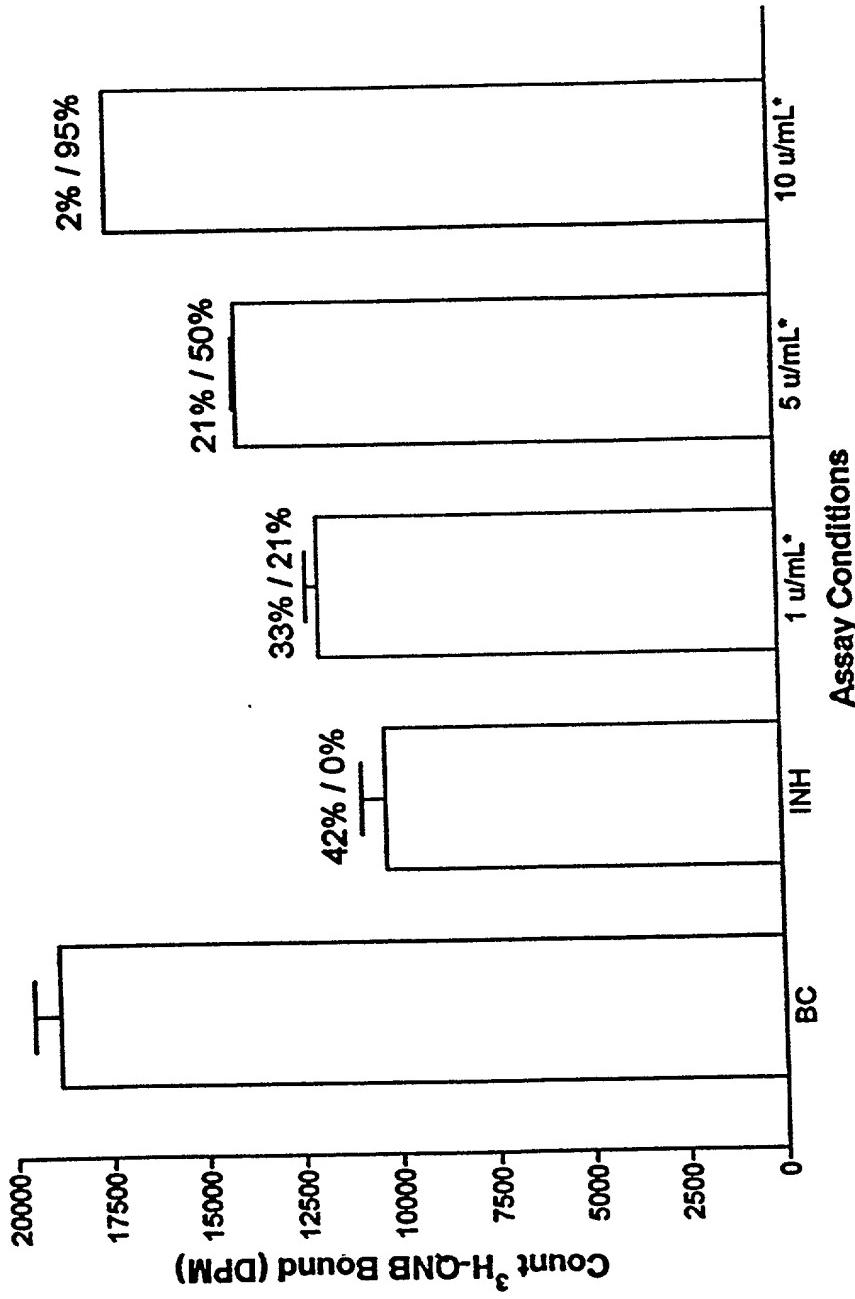


FIGURE 16

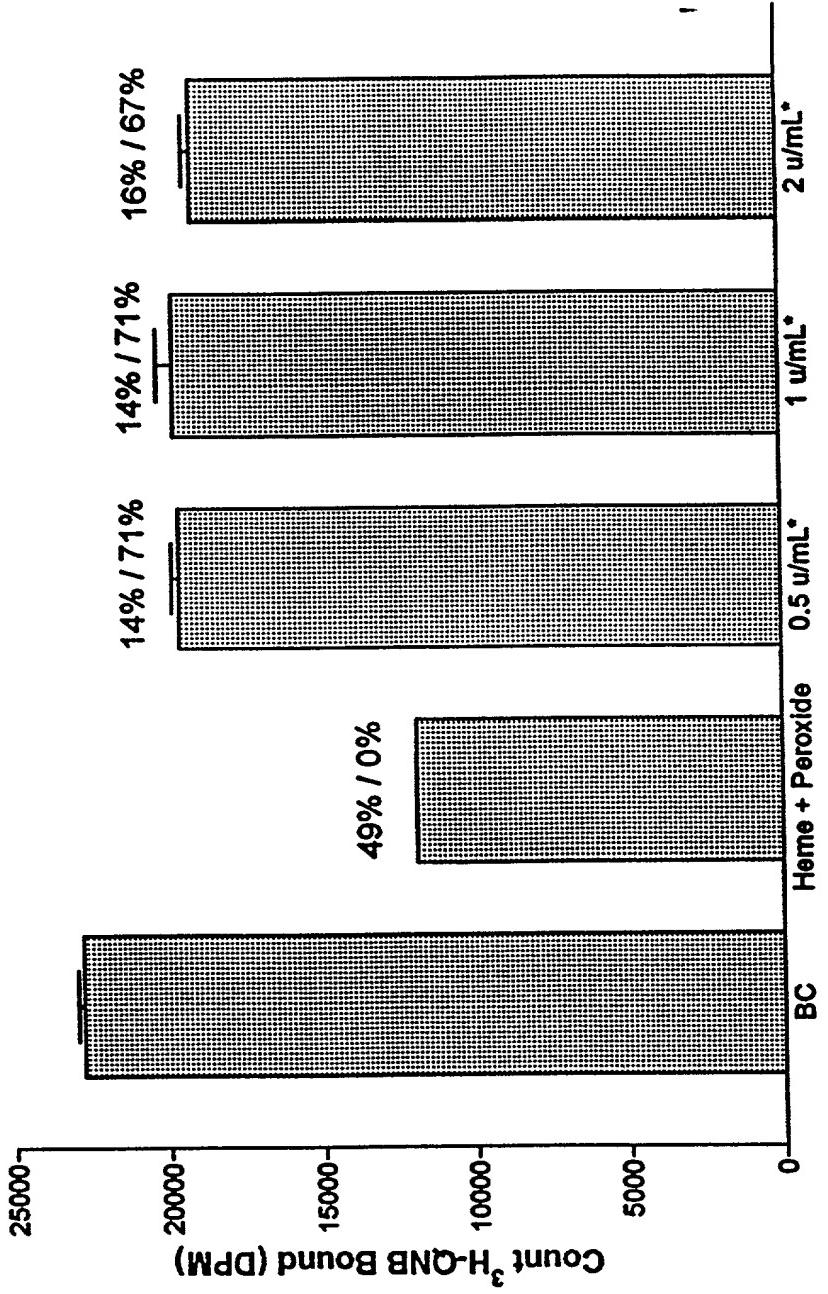
**Glutathione peroxidase protects the mAChR from inactivation
by the LMW Inhibitor**



*Glutathione peroxidase concentration in the presence of the LMW Inhibitor

Percentages represent: Percent Inhibition / Percent Protection

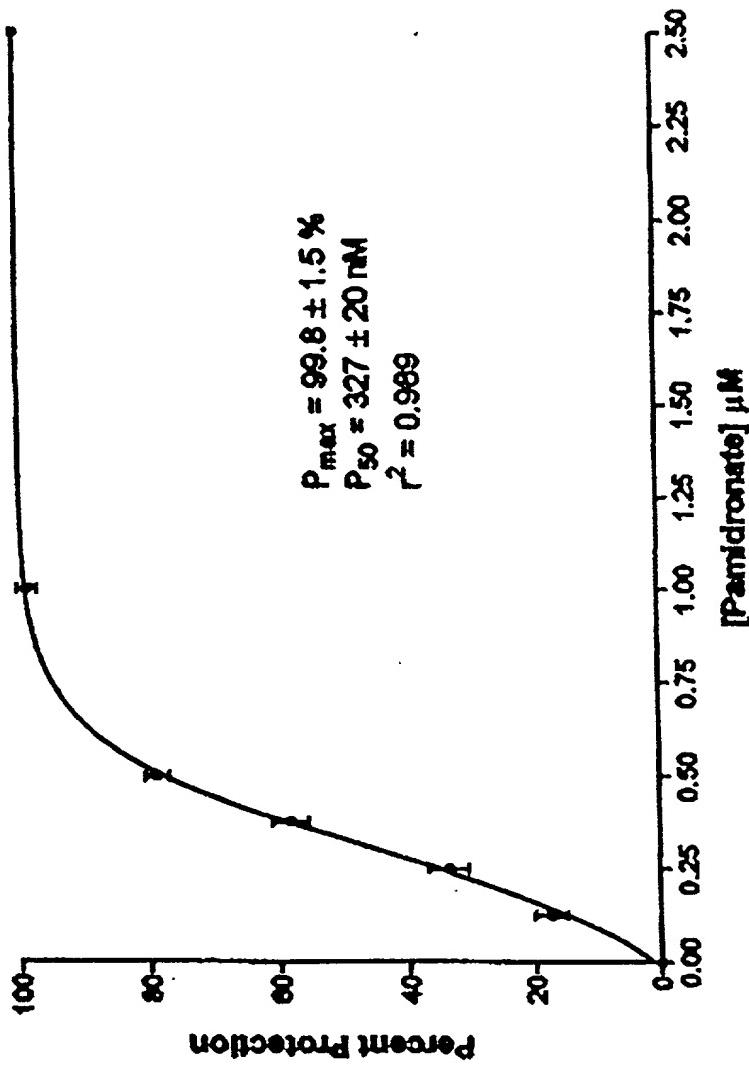
**Glutathione peroxidase protects the mAChR from inactivation
by 2 μ M Heme and 100 μ M H₂O₂**



*Glutathione peroxidase concentration in the presence of Heme and Peroxide
Percentages represent: Percent Inhibition / Percent Protection

FIGURE 18

Pamidronate (the active component of Aredia^{*})
 Protects the mAChR from Inactivation
 by the LMW Inhibitor
 (n=4)



*Aredia is a drug manufactured by Novartis and is a bone-resorption inhibitor for treatment of hypercalcemia. All assay tubes contained 7.94 mM Mannitol a component of Aredia which had no effect on binding or inhibition.

FIGURE 20

